



PATENT

Case Docket No. INTV.008A

Date: October 17, 2002

RECEIVED

OCT 24 2002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kim, et al.  
Appl. No. : 10/092,384  
Filed : March 5, 2002  
For : SYSTEMS AND METHODS  
FOR MANAGEMENT OF  
DATA IN A RING BUFFER  
FOR ERROR RESILIENT  
DECODING OF A VIDEO  
BITSTREAM  
Examiner : Unknown

Group Art Unit 2613

Technology Center 2600

I hereby certify that this correspondence and all marked  
attachments are being deposited with the United States  
Postal Service as first class mail in an envelope  
addressed to: United States Patent and Trademark  
Office, P.O. Box 2327, Arlington, VA 22202, on

October 17, 2002

*Michael S. Okamoto*  
(Date)  
Michael S. Okamoto, Reg. No. 47,831

## TRANSMITTAL LETTER

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

ATTENTION: APPLICATION BRANCH

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) A Supplemental Information Disclosure Statement.
- (X) A PTO Form 1449 with eighteen (18) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

*Michael S. Okamoto*

Michael S. Okamoto  
Registration No. 47,831  
Attorney of Record



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kim, et al. ) Group Art Unit 2613  
App. No. : 10/092,384 )  
Filed : March 5, 2002 )  
For : SYSTEMS AND METHODS )  
FOR MANAGEMENT OF )  
DATA IN A RING BUFFER )  
FOR ERROR RESILIENT )  
DECODING OF A VIDEO )  
BITSTREAM )  
Examiner : Unknown )

RECEIVED

OCT 24 2002

Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Enclosed is form PTO-1449 listing 18 references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Applicants are citing selected portions of the co-pending and related applications in accordance with the provisions of 37 C.F.R. § 1.97(a)(2)(iii). Applicants note that the applications with Application No. 10/092,366 [Attorney Docket No. INTV.005A] Application No. 10/092,376 [Attorney Docket No. INTV.006A], Application No. 10/092,353 [Attorney Docket No. INTV.007A], and Application No. 10/092,384 [Attorney Docket No. INTV.008A] share a common detailed description and share the same figures.

Applicants also note that the applications with Application No. 10/092,340 [Attorney Docket No. INTV.009A], Application No. 10/092,375 [Attorney Docket No. INTV.010A], Application No. 10/092,345 [Attorney Docket No. INTV.011A], Application No. 10/092,392 [Attorney Docket No. INTV.012A], Application No. 10/092,383 [Attorney Docket No.

**Appl. No.** : 10/092,384  
**Filed** : March 5, 2002

INTV.013A], and Application No. 10/092,394 [Attorney Docket No. INTV.016A] share a common detailed description and share the same figures.

Applicants further note that the applications with Application No. 10/092,373 [Attorney Docket No. INTV.014A] and Application No. 10/092,339 [Attorney Docket No. INTV.015A] share a common detailed description and share the same figures.

Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

Respectfully submitted,

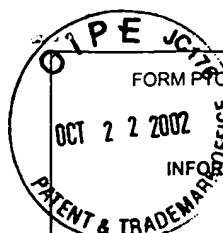
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 17, 2002

By: Michael Okamoto

Michael S. Okamoto  
Registration No. 47,831  
Attorney of Record  
Customer No. 20,995  
(310) 551-3450

MSO-3677.DOC:afa  
101602

 FORM PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b> (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. INTV.008A	APPLICATION NO. 10/092,384 <b>RECEIVED</b> <b>OCT 24 2002</b>
	APPLICANT Kim, et al.	
	FILING DATE March 5, 2002	GROUP 2613 <b>Technology Center 2600</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	10/092,366	03/05/02	Kim, et al.			
	10/092,376	03/05/02	Katsavounidis, et al.			
	10/092,353	03/05/02	Katsavounidis, et al.			
	10/092,340	03/05/02	Kim, et al.			
	10/092,375	03/05/02	Kim, et al.			
	10/092,345	03/05/02	Kim, et al.			
	10/092,392	03/05/02	Katsavounidis, et al.			
	10/092,383	03/05/02	Zhao, et al.			
	10/092,373	03/05/02	Kim, et al.			
	10/092,339	03/05/02	Kim, et al.			
	10/092,394	03/05/02	Katsavounidis, et al.			

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	M. Budagavi and J. D. Gibson, "Error propagation in motion compensated video over wireless channels," in Proc. ICIP'97, vol. 2, Oct. 1997, pp. 89-92.
	JinGyeong Kim, JongWon Kim and C.-C. Jay Kuo, "An Integrated AIR/UEP Scheme for Robust Video Transmission with a Corruption Model" Paper presented at ITCOM 2001 (Aug. 2001).
	Chang-Su Kim, Ph.D. Thesis, "On the Techniques for Robust Transmission of Video Sequence over Noisy Channel" Graduate School of Seoul National University, Department of Electrical Engineering, August 2000 pp. 1-140
	Seung Hwan Kim, Chang-Su Kim, and Sang-Uk Lee, "Enhanced motion compensation algorithm based on second-order prediction," Proc. ICIP-2000, vol. 2, pp. 875-878, Sept. 2000.
	Chang-Su Kim, Rin-Chul Kim, and Sang-Uk Lee, "Robust transmission of video sequence using double-vector motion compensation," IEEE Transactions on Circuits and Systems for Video Technology, vol. 11, no. 9, pp. 1011-1021, Sept. 2001.
	Lifeng Zhao, Jitae Shin, JongWon Kim, and C.-C. Jay Kuo, "FGS MPEG-4 video streaming with constant quality rate adaptation, prioritized packetization and differentiated forwarding," in Proc. SPIE ITCOM 2001: Video Technologies for Multimedia Applications, Denver, CO, Aug. 2001.
	Lifeng Zhao, JongWon Kim, and C.-C. Jay Kuo, "MPEG-4 FGS video streaming with constant-quality rate control and differentiated forwarding," in Proc. SPIE Visual Communications and Image Processing 2002, San Jose, CA, Jan. 2002.

MSO-3678.DOC:afa  
101602

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	